Title: METHODS FOR LASER SCRIBING WAFERS

IN THE CLAIMS

Please amend the claims as follows:

- 1.-22 (Canceled)
- 23. (Currently Amended) A method for singulating dies from a wafer comprising: laser scribing a first continuous line;

laser scribing a second continuous line spaced apart from the first continuous line; laser scribing a third continuous line, the third continuous line positioned between the first continuous line and the second continuous line; and

passing a saw through the area of the first continuous line, the second continues continuous line and the third continuous line to cut the wafer.

- 24. (Original) The method for singulating dies from a wafer of claim 24 wherein the first continuous line, the second continuous line and the third continuous line overlap.
- 25. (Original) The method for singulating dies from a wafer of claim 24 wherein the third continuous line overlaps the second continuous line and the third continuous line.
- 26. (Original) The method for singulating dies from a wafer of claim 24 wherein the first continuous line, the second continuous line and the third continuous line are formed from overlapping pulses from a laser.
- 27. (Currently Amended) The method for singulating dies from a wafer of claim 24 wherein the first continuous line, the second continuous line and the third continuous line overlap are in an area having a width greater than the width of a kerf from a saw blade of the saw.
- 28. (Canceled)

Filing Date: September 30, 2003 Title: METHODS FOR LASER SCRIBING WAFERS

- 29. (Currently Amended) An apparatus comprising:
 - a laser adapted to direct laser energy toward a wafer;
 - a saw
- a microprocessor for controlling the direction of the laser energy and controlling the movement of the saw;
- a memory operatively coupled to the microprocessor; said memory including an instruction set to cause a suitably programmed apparatus to

laser scribe a first continuous line on a wafer; [[and]]

laser scribe an area near the first continuous line but not contacting the first continuous line, wherein the laser scribe of the area near the first area includes laser scribing a second continuous line near the first continuous line and laser scribing a third continuous line; and

passing the saw through the area of the first continuous line, the second continues line and the third continuous line to cut the wafer.

- 30. (Currently Amended) The apparatus of claim 29 wherein the laser scribe of the area near the first area includes laser scribing a second line near the first line and further comprising laser scribing a third line overlapping overlaps the first continuous line and the second continuous line.
- 31. (Original) The apparatus of claim 29 wherein the laser scribe of the area near the first area includes producing a plurality of spaced laser ablations in the area adjacent the first continuous line.
- 32. (Currently Amended) A method for laser scribing a wafer comprising:

laser treating a first area of the wafer;

laser treating a second area adjacent the first area; [[and]]

laser scribing a third continuous line, the third continuous line positioned between the first area and the second area; and

passing a saw through the first area, the second area, and the third continuous line to cut the wafer.

Serial Number: 10/674,960

50 Dkt: 884.949US1

Filing Date: September 30, 2003

Title: METHODS FOR LASER SCRIBING WAFERS

33. (Previously Presented) The method for laser scribing a wafer of claim 32 wherein at least a

portion of the first area, a portion of the second area and a portion of the third continuous line

overlap.

34. (Previously Presented) The method for laser scribing a wafer of claim 32 wherein the third

continuous line overlaps the second area and the third area.

35. (Previously Presented) The method for laser scribing a wafer of claim 32 wherein the first

area, the second area and the third continuous line are formed from overlapping pulses from a

laser.

36. (Currently Amended) The method for laser scribing a wafer of claim 32 wherein the first

area, the second area and the third continuous line overlap are in an area having a width greater

than the width of a saw blade of the saw.

37. (Currently Amended) The method for laser scribing a wafer of claim 32 wherein the first

area, the second area and the third continuous line overlap are in an area having a width greater

than the width of a kerf from a saw blade of the saw.

38. (Currently Amended) The method for laser scribing a wafer of claim 32 wherein the first

area, the second area and the third continuous line overlap are in an area having a width greater

than the width of a kerf produced by a saw blade of the saw.